



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Sarath Gunapala et al. Art Unit : 2815
 Serial No.: 09/924,209 Examiner : Baumeister, B.
 Filed : August 7, 2001
 Title : QUANTUM WELL SENSOR HAVING SPATIALLY SEPARATED
 SENSING COLUMNS (AS AMENDED)

BOX AF

Commissioner for Patents
 Washington, D.C. 20231

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RESPONSE

In response to the action mailed May 31, 2002, please amend
 the application as follows:

In the claims:

Please amend Claim 1 as follows:

-- 1. (Amended) A quantum-well semiconductor device that
 senses radiation energy, comprising:
 a substrate of a substantially transparent semiconductor
 material; and
 a plurality of quantum-well structures, arranged in
 columnar shapes, and spatially separated from one another by a
 gap which is electrically insulating, said plurality of quantum-

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